

INDUSTRIAL GIGABIT ETHERNET IEEE802.3bt PoE MEDIA CONVERTER

DDMCPIG SERIES



SYNOPSIS

- THE DDMCPiG bt SERIES POE MEDIA CONVERTERS GIVE THE ABILITY TO ADD POE DEVICES TO YOUR NETWORK AT REMOTE LOCATIONS WHERE DISTANCE LIMITATIONS DO NOT ALLOW DIRECT COPPER CONNECTIONS.
- THE DDMCPiG bt SERIES ARE FULLY COMPLIANT TO THE IEEE802.3af & IEEE802.3at STANDARD.
- SUPPORT FEATURES SUCH AS SIGNATURE SENSING AND POWER MONITORING FEATURES COMPLIANT WITH THE IEEE802.3af/at/bt STANDARD, INCLUDING, PD DISCOVERY, CLASSIFICATION, CURRENT LIMITING AND OTHER NECESSARY FUNCTIONS.
- IT ALSO SUPPORTS HIGH LEVELS OF SAFETY SUPPORT WITH SHORT CIRCUIT PROTECTION AND POWER-OUT AUTO-DETECTION TO THE PD.

FEATURES & BENEFITS

- FULL IEEE802.3af, IEEE802.3at, IEEE802.3bt COMPLIANT.
- UP TO 90W OF POWER ON 4-PAIRS.
- AUTO-DETECT AND POWER IEEE802.3af, IEEE802.3at, IEEE802.3bt PD.
- SUPPORT PD SIGNATURE SENSING, POWER MONITORING AND CURRENT PROTECTION.
- OPERATING DATA RATE UP TO 1000MBPS
- SUPPORT LFP (LINK FAULT PASS THROUGH)
- FIBER RANGE – UP TO 120 KILOMETERS
- OPERATING TEMPERATURE -40 TO 70°C
- DIN Rail Mounting

TECHNICAL SPECIFICATIONS

Connector Types	UTP: RJ45 Fiber: SC/ST/LC
Speed	UTP: 10/100/1000Mbps Fiber: 1000Mbps
Max Range	UTP: 100m Fiber: Multimode 550m Singlemode 20km/40km/60km/80km/100km/120km
Duplex	UTP/Fiber: Full/Half
Flow Control	Full Duplex: 802.3x Half Duplex: Backpressure
Wavelength	850nm/1310nm/1550nm
Regulatory Compliance	IEEE802.3af (15.4W), IEEE802.3at (30W), IEEE802.3bt-type3 (60W), IEEE802.3bt-type4 (90W) (Optional)
PoE Output	Pin Assignment and Polarity: 3/4/5/6 (+), 1/2/7/8 (-)
Diagnostic LEDs	Unit: Power, PoE UTP: Link/Act, Speed Fiber: Link/Act, FDX/COL

POWER

Input Voltage

DC Input Voltage: 44 to 57V

PHYSICAL CHARACTERISTICS

Enclosure

IP30

Mounting

DIN-rail

ENVIRONMENT

Working Temperature

-40°C to +70°C

Storage Temperature

-40°C to +85°C

Operating Humidity

5%~95% (no condensation)

ORDERING CODE

DDMCPIG M/SXXX SC A/B-bt Hi

DDMCPIG

Industrial Grade Giga PoE Media Converter

M/SXXX

M: Multimode (wavelength 850nm up to 550m)

S: Single Mode, XXX = 020, 040, 080, 100Kms
(Wavelength 1310nm for 20km)

SC

SC Connector

A/B

A: Transmitter for WDM

B: Receiver for WDM

-bt

PoE-bt compliant

Hi

Fixed